

Center for Human Radiobiology
Peripheral Leucocyte Chromosome Analysis

701049

Case # 40-012

Sample date Feb. 14, 1973

A sample of peripheral blood was drawn from the patient into a sterile heparinized tube at *Strong Memorial Hospital, Rochester, New York*. Leucocytes were cultured, using standard culture techniques including PHA stimulation. The cultures were terminated after 50-53 hours. Slides were examined following standard Giemsa staining. Slides were scored on 3/14/73 and a sample of 100 cells was obtained. The sample consisted of sufficiently well spread cells with 46 or more centromeres. A copy of the cytogenetic unit's score sheet is attached.

Results were as follows:

	<u>Number</u>
Cells with 46 centromeres	<u>92</u>
Cells with > 46 centromeres	<u>8</u>
% hyperdiploid cells	<u>8</u>
Rings + dicentrics (and associated fragments)	<u>0</u>
Chromosome minutes	<u>0</u>
Acentric fragments	<u>0</u>
<u>Total chromosome aberrations per cell</u>	<u>0</u>
Chromatid deletions	<u>1</u>
Gaps	<u>1</u>
<u>Total chromatid aberrations per cell</u>	<u>.02</u>
<u>Total aberrations per cell</u>	<u>.02</u>

Date of report 7/1/72

Submitted by L. F. Vogelman

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